

Savannah River Site Community Preparedness Information



To Our Neighbors...

Although it is unlikely that the Savannah River Site (SRS) will have a serious emergency, we want you to know what to do should there be an incident. This brochure is designed to provide that information.

This brochure describes emergency plans for areas that may be affected if an incident should occur at SRS. These emergency plans are prepared by officials of Georgia and South Carolina, local governments, and SRS. As with any potential emergency, your safety depends on your preparedness. Please read this brochure and study the map on page 32. Make sure your family knows what to do in the event of an emergency.

Please keep this brochure in a place where it can be easily located. The brochure includes a 2011 calendar so that it can be placed in a prominent place in your home.

The 2011 SRS Community Preparedness Information brochure was developed through a partnership of the U.S. Department of Energy and Savannah River Nuclear Solutions, LLC (SRNS). The brochure features photographs of educational outreach programs sponsored in whole or part by SRS, and various activities and projects in the surrounding communities that SRS supports. SRS contractors, organizations, and employees are committed to making a positive difference in our local communities and appreciate the continued support of our neighbors.



Golden Harvest Food Bank donations.

SRNS Medi

Savannah River Site

Community Preparedness Information

2011

Emergency Action Symbols



Nuclear Materials Production and Research



General Emergency



Special Needs



Alert



If Your Children Are In School



Emergency Notification



If You Are Told To Take Shelter In Place



Emergency Planning Zone



If You Are Told To Evacuate



Radiation



Site Area Emergency



Sheltering Livestock

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The WSI-SRS Team helps coordinate the South Carolina Law Enforcement Officers' Association's Torch Run from SRS to Aiken. The 10.6 mile run raises awareness and funds for the Special Olympic Games.

January 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
December 1 2 3 4	February 1 2 3 4 5					1
5 6 7 8 9 10 11 12 13 14 15 16 17 18	6 7 8 9 10 11 12 13 14 15 16 17 18 19					
19 20 21 22 23 24 25	20 21 22 23 24 25 26					
26 27 28 29 30 31	27 28					New Year's Day
2	3	4	5	6	7	8
9	10	11	12	13	14	15
4.0	4 7	4.0	4.0	00	0.4	00
16	17	18	19	20	21	22
	Martin Luther King Day					
23	24	25	26	27	28	29
		احی	ן בט		ر حان	ן בט
30	31					



During Introduce a Girl to Engineering Day, local middle-school girls have an opportunity to interact with SRS professionals and participate in activities that help them discover how their natural problem-solving abilities form the basis for many engineering skills.

February 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	Groundhog Day	3	4	5
6	7	8	9	10	11	12
13	14 Valentine's Day	15	16	17	18	19
20	21 Presidents' Day	22	23	24	25	26
27	28				January	March 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



SRS employees support the American Heart Association each year by participating in the annual Start! CSRA Heart Walk which raises funds for heart disease and stroke research and community education.

March 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
6	7	8	Ash Wednesday	10	11	12
13 Daylight Saving Time Begins	14	15	16	17 St. Patrick's Day	18	19
20	21	22	23	24	25	26
27	28	29	30	31	February 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Happill 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30



During the annual "SRS Days of Caring," SRS employees who want to make a difference in their communities volunteer to complete projects at local United Way agencies such as painting, roofing, yard work, installing smoke detectors, and building wheelchair ramps.

April 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
March 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	May 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31				1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19 Passover	20	21	Good Friday Earth Day	23
24 Easter	25	26	Administrative Professionals Day	28	29	30



Approximately 400 Savannah River Nuclear Solutions, LLC, employees volunteered their time to construct the first Habitat for Humanity House in Jackson, SC, during the summer of 2010. The house took 12 weeks to complete and represents the 80th Habitat for Humanity home built in Aiken County.

May 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
8 Mother's Day	9	10	11	12	13	14
15	16	17	18	19	20	21 Armed Forces Day
22	23	24	25	26	27	28
29	30 Memorial Day	31			April 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	June 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30



During a one-week Cadet Camp hosted by North Augusta Public Safety, students visited SRS and participated in demonstrations and received training from the SRS Fire Department, WSI-SRS Team, and USDA Forest Service-Savannah River employees.

June 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
5	6	7	8	9	10	11
12	13	14 Flag Day	15	16	17	18
19 Father's Day	20	21	22	23	24	25
26	27	28	29	30	May 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	July 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30



The Annual Softball Tournament for United Way provides some healthy competition among SRS employees while raising money to support local United Way agencies.

July 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jule 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	14 15 16 17 18 19 20				1	2
3	4 Independence Day	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24 31	25	26	27	28	29	30



The CSRA College Night provides an opportunity for high school students and their parents to learn about educational opportunities available from accredited colleges and universities. Representatives from colleges and universities across the country participate as well as various professional societies.

August 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31		3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	September 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30



SRS employees gather in the morning for the kick off of 2010 "SRS Days of Caring".

September 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
August 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 8 9 20	October 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31			1	2	3
4	5 Labor Day	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29 Rosh Hashanah	30	



The WSI-SRS Team sponsors the annual River Run, a 10K road race in North Augusta. The event also includes a 5K walk and a one-mile Kids Fun Run. In 2009, the company was able to donate over \$40,000 to United Way with proceeds from the event.

October 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
September 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	November 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					1
2	3	4	5	6	7	8 Yom Kippur
9	10 Columbus Day	11	12	13	14	15
16 Bosses' Day	17	18	19	20	21	22
23 30	24 31 Halloween	25	26	27	28	29



Savannah River Remediation, LLC, volunteers partnered with local business sponsors and Habitat for Humanity in the fall of 2009 to help a deserving North Augusta resident realize the American dream of owning a home.

November 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 Election Day	2	3	4	5
6 Daylight Saving Time Ends	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24 Thanksgiving	25	26
27	28	29	30		October 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	December 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



The Toys for Tots campaign sponsored by SRS construction employees is supported by the entire site. Since the origination of the SRS toy drive in 1991, employees have contributed more than 170,000 toys to the Marine-sponsored program.

December 2011



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
November 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	January			1	2	3
4	5	6	7 Pearl Harbor Day	8	9	10
11	12	13	14	15	16	17
18	19	20	21 Hanukkah	22	23	24
25 Christmas	26 Kwanzaa	27	28	29	30	31

Three-Year Calendar

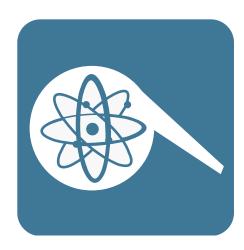
20	11	20	12	20	13
January 1	February 1 2 3 4 5	January 1 2 3 4 5 6 7	February 1 2 3 4	January 1 2 3 4 5	February 1 2
2 3 4 5 6 7 8	6 7 8 9 10 11 12	8 9 10 11 12 13 14	5 6 7 8 9 10 11	6 7 8 9 10 11 12	3 4 5 6 7 8 9
9 10 11 12 13 14 15	13 14 15 16 17 18 19	15 16 17 18 19 20 21	12 13 14 15 16 17 18	13 14 15 16 17 18 19	10 11 12 13 14 15 16
16 17 18 19 20 21 22	20 21 22 23 24 25 26	22 23 24 25 26 27 28	19 20 21 22 23 24 25	20 21 22 23 24 25 26	17 18 19 20 21 22 23
23 24 25 26 27 28 29 30 31	27 28	29 30 31	26 27 28 29	27 28 29 30 31	24 25 26 27 28
March	April	March	April	March	April
1 2 3 4 5	1 2	1 2 3	1 2 3 4 5 6 7	1 2	1 2 3 4 5 6
6 7 8 9 10 11 12	3 4 5 6 7 8 9	4 5 6 7 8 9 10	8 9 10 11 12 13 14	3 4 5 6 7 8 9	7 8 9 10 11 12 13
13 14 15 16 17 18 19	10 11 12 13 14 15 16	11 12 13 14 15 16 17	15 16 17 18 19 20 21	10 11 12 13 14 15 16	14 15 16 17 18 19 20
20 21 22 23 24 25 26	17 18 19 20 21 22 23	18 19 20 21 22 23 24	22 23 24 25 26 27 28	17 18 19 20 21 22 23	21 22 23 24 25 26 27 28 29 30
27 28 29 30 31	24 25 26 27 28 29 30	25 26 27 28 29 30 31	29 30	24 25 26 27 28 29 30 31	28 29 30
May	June	May 1 2 3 4 5	June 1 2	May 1 2 3 4	June 1
1 2 3 4 5 6 7 8 9 10 11 12 13 14	1 2 3 4 5 6 7 8 9 10 11	6 7 8 9 10 11 12	3 4 5 6 7 8 9	5 6 7 8 9 10 11	2 3 4 5 6 7 8
15 16 17 18 19 20 21	12 13 14 15 16 17 18	13 14 15 16 17 18 19	10 11 12 13 14 15 16	12 13 14 15 16 17 18	9 10 11 12 13 14 15
22 23 24 25 26 27 28	19 20 21 22 23 24 25	20 21 22 23 24 25 26	17 18 19 20 21 22 23	19 20 21 22 23 24 25	16 17 18 19 20 21 22
29 30 31	26 27 28 29 30	27 28 29 30 31	24 25 26 27 28 29 30	26 27 28 29 30 31	23 24 25 26 27 28 29
28 30 31	20 27 20 23 30	27 20 23 30 31	24 23 20 27 20 23 30	25 27 25 25 55 51	30
July	August	July	August	July	August
1 2	1 2 3 4 5 6	1 2 3 4 5 6 7	1 2 3 4	1 2 3 4 5 6	1 2 3
3 4 5 6 7 8 9	7 8 9 10 11 12 13	8 9 10 11 12 13 14	5 6 7 8 9 10 11	7 8 9 10 11 12 13 14 15 16 17 18 19 20	4 5 6 7 8 9 10 11 12 13 14 15 16 17
10 11 12 13 14 15 16 17 18 19 20 21 22 23	14 15 16 17 18 19 20	15 16 17 18 19 20 21 22 23 24 25 26 27 28	12 13 14 15 16 17 18 19 20 21 22 23 24 25	14 15 16 17 18 19 20 21 22 23 24 25 26 27	18 19 20 21 22 23 24
	21 22 23 24 25 26 27 28 29 30 31	29 30 31	26 27 28 29 30 31	28 29 30 31	25 26 27 28 29 30 31
24 25 26 27 28 29 30 31	28 29 30 31	29 30 31	20 27 20 29 30 31	20 23 30 31	23 20 27 20 23 30 31
September	October	September	October	September 1 2 3 4 5 6 7	October 1 2 3 4 5
1 2 3	1	1	1 2 3 4 5 6	1 2 3 4 5 6 7	1 2 3 4 5 6 7 8 9 10 11 12
4 5 6 7 8 9 10	2 3 4 5 6 7 8	2 3 4 5 6 7 8	7 8 9 10 11 12 13 14 15 16 17 18 19 20	15 16 17 18 19 20 21	13 14 15 16 17 18 19
11 12 13 14 15 16 17 18 19 20 21 22 23 24	9 10 11 12 13 14 15 16 17 18 19 20 21 22	9 10 11 12 13 14 15 16 17 18 19 20 21 22	21 22 23 24 25 26 27	22 23 24 25 26 27 28	20 21 22 23 24 25 26
25 26 27 28 29 30			28 29 30 31	29 30	27 28 29 30 31
25 26 27 28 29 30	23 24 25 26 27 28 29 30 31	23 24 25 26 27 28 29 30	20 29 30 31	23 00	27 20 23 30 01
November 1 2 3 4 5	December 1 2 3	November 1 2 3	December 1	November 1 2	December 1 2 3 4 5 6 7
6 7 8 9 10 11 12	4 5 6 7 8 9 10	4 5 6 7 8 9 10	2 3 4 5 6 7 8	3 4 5 6 7 8 9	8 9 10 11 12 13 14
13 14 15 16 17 18 19	11 12 13 14 15 16 17	11 12 13 14 15 16 17	9 10 11 12 13 14 15	10 11 12 13 14 15 16	15 16 17 18 19 20 21
20 21 22 23 24 25 26	18 19 20 21 22 23 24	18 19 20 21 22 23 24	16 17 18 19 20 21 22	17 18 19 20 21 22 23	22 23 24 25 26 27 28
27 28 29 30	25 26 27 28 29 30 31	25 26 27 28 29 30	23 24 25 26 27 28 29 30 31	24 25 26 27 28 29 30	29 30 31

What is SRS?

SRS is one of several federal government-owned, contractor-operated sites in DOE's former nuclear defense complex. SRNS took over as the management and operating contractor at the site on August 1, 2008.

SRS was constructed during the early 1950s to produce basic materials used to make nuclear weapons, primarily tritium and plutonium-239. Original construction consisted of five reactors, two chemical separations facilities, tritium facilities, a nuclear fuel and target fabrication facility, a heavy water extraction facility and waste management facilities. While SRS still handles nuclear materials for defense and some civilian purposes, the major focus has shifted to accelerated cleanup and waste management, environmental restoration, non-proliferation activities, and the use of SRS technologies to enhance the nation's economic competitiveness.

Complete security services for the Site are provided by WSI-SRS Team, under contract to DOE. In the event of an emergency, security personnel would play an integral role in mitigating the emergency, including law enforcement, perimeter and interior barricade control and use of the Special Response Team, if necessary.



Safety at SRS

Safety is our primary consideration at SRS, and the Site has one of the best safety records in the world. Emergency Plans have been developed for all facilities where hazardous materials are present.

SRS also has many built-in, overlapping safety features. Even if several should fail, there are still back-up systems to ensure safety.









Radiation is a form of energy. It is a part of our daily world. We are all constantly exposed to radiation from our environment. There are two types of sources for this radiation: natural and man-made.

The sun, air, water, earth and even our own bodies are all natural sources of radiation. Man-made sources include consumer products (e.g., smoke detectors), dental and medical X-rays, and very small amounts from the normal operation of nuclear facilities, such as Plant Vogtle and SRS.

There are three types of radiation at SRS, which are also present in our environment: alpha particles, beta particles and gamma rays. Alpha radiation, the least penetrating, can be stopped by a sheet of paper. Beta radiation can be blocked by a thin sheet of plastic or metal. Gamma radiation, the most penetrating, can be stopped by concrete or lead.

Although radiation is invisible, it can be measured. Radiation's impact on humans is measured in units called rems and millirems. A millirem is 1/1000th of a rem. The rem is a unit of measure that takes into account the effect that different types of radiation have on the body. The average resident of the Central Savannah River Area receives about 620 millirems per year, of which a maximum of 0.12 millirem could come from SRS, according to the most recent annual Savannah River Site Environmental Report. Use the chart at right to calculate your approximate annual dose.

Personal Radiation Dose Chart				
Average Variables	Common sources of radiation	annual dose		
Where you live	Cosmic radiation (from outer space): Your elevation from sea level: up to 1,000 ft. = 2 1-2,000 ft. = 5 2-3,000 ft. = 9 3-4,000 ft. = 15 4-5,000 ft. = 21 5-6,000 ft. = 29 6-7,000 ft. = 40 7-8,000 ft. = 53 8-9,000 ft. = 70 Elevation of some U.S. cities (in feet): Atlanta 1,050; Chicago 595; Dallas 435; Denver 5,280; Las Vegas 2,000; Salt Lake City 4,400. Terrestrial (from the ground):	26 2		
	In states that border the Gulf or Atlantic coasts, add 23 In the Colorado Plateau area (around Denver), add 90 In Middle America (rest of the U.S.), add 46 If you live in a house built of stone, brick or concrete, add 7	23		
What you eat and drink	Internal radiation (in your body): From food and water (U.S. average) From air (radon — U.S. average)	40 200		
How you live	Weapons test fallout** For each 1000 miles you travel annually by jet, add 1 If you have porcelain crowns or false teeth, add 0.07 If you use gas lantern when camping, add 0.003 If you wear a luminous wristwatch, add 0.06 If you use X-ray luggage inspection devices at airports, add 0.002 If you watch TV, add 1** If you use a computer, add 1** If you have a smoke detector, add 0.008 If you wear a plutonium-powered cardiac pacemaker, add 100 Medical exposures:*** Diagnostic X-rays (U.S. average), add 40 for each Nuclear medical procedures (e.g., thyroid scans), add 14 for each If you live within 50 miles of a nuclear power plant, add 0.01 If you live within 50 miles of a coal-fired electrical plant, add 0.03 If you live in the vicinity of the Savannah River Site, add 0.12****			
	My total annual dose (in millirems):			

Note: Some of the radiation sources listed result in exposure to only part of the body. For example, false teeth result in a dose to the mouth. These numbers represent the effective dose to the whole body.

^{**} The value is less than 1, but adding a value of 1 would be conservative.

^{***} These are yearly average doses. If you have had many procedures, your dose would be higher.

^{****} This information obtained from annual SRS Environmental Report.

Emergency Classifications

Possible emergencies at SRS are divided into three categories. Each category calls for a certain response from Site and government officials. In order of increasing severity, the categories are Alert, Site Area Emergency, and General Emergency.

Alert



This means a problem has occurred that could potentially impact Site safety, such as small amounts of hazardous material released around the incident facility. The SRS Emergency Response Organization would be fully activated to help solve the problem. State and county officials would be notified. It is not likely safety measures would be necessary.

Site Area Emergency



This means something more serious has occurred at the Site, such as small amounts of hazardous material released into areas of the Site beyond the incident facility. Government officials would be notified and would prepare to assist. They might take actions to provide for public safety. As a precaution, they might take action to protect people near the Site. You should listen to one of the Emergency Alert System radio or television stations listed on page 31 to determine what action you should take.

General Emergency



This is the most severe type of problem and may result in the release of hazardous material off-site. It may threaten the health and safety of people living near the Site. State and county officials would tell the public what to do for safety. They would use Emergency Alert System stations listed on page 31 to tell you what actions to take. They would ask you to stay tuned as long as the emergency lasts.



In The Event Of An Emergency

Georgia and South Carolina and local governments have detailed plans for response to an emergency at SRS. These plans provide for appropriate protective actions. You might be told to:

- Shelter In Place



- Evacuate



Sometimes, it is safer to take shelter and stay indoors than to evacuate. State and local emergency officials know which is better, so follow their instructions.

If an emergency has been declared that requires protective action, you will be alerted by mobile sirens and/or loudspeakers operated by local responders. If this occurs, tune your radio or television to one of the Emergency Alert System stations in your area and listen to instructions for your zone. Refer to the map on page 32 to determine your zone.

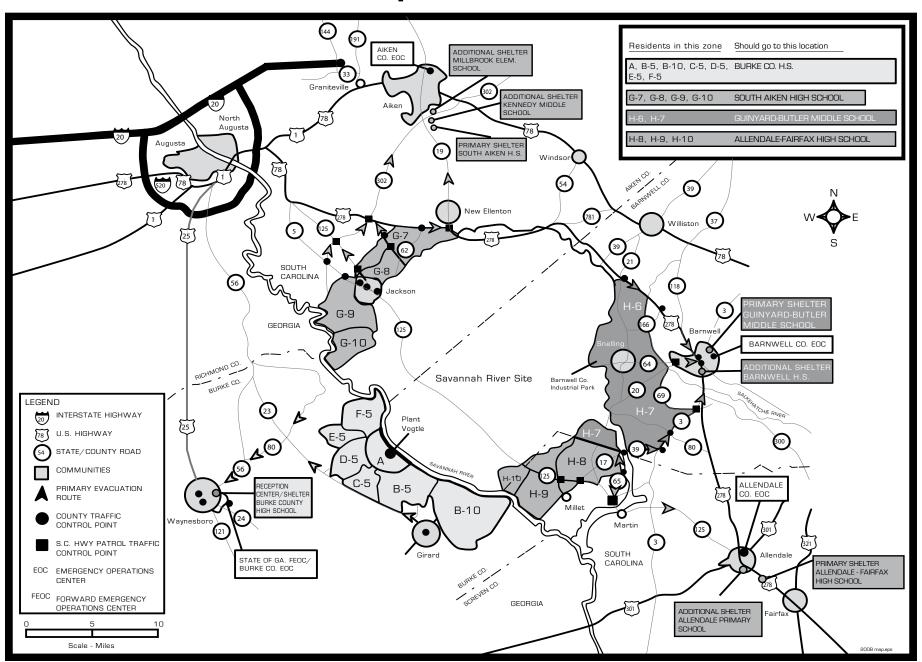
Through authority granted by the U.S. Coast Guard, the South Carolina Department of Natural Resources may close sections of the river to boat traffic. Boaters along the river will be alerted by the South Carolina Department of Natural Resources personnel.

Emergency Alert System stations will provide information and instructions. You might be told to stay indoors or to evacuate. You could also be told your zone is not affected. *It is important to follow the instructions given by the Emergency Alert System stations.*

- Do not call the police or fire department for information. They will need to keep phone lines clear for emergency phone calls.
- Limit telephone use to essential calls to keep lines clear for emergency calls.

Local Emergency Alert System Stations AM radio stations WGAC 580 Augusta, GA WDOG 1460 Barnwell, SC **WFAM WGUS** 1050 Augusta, GA 1480 Augusta, GA WNRR 1230 Augusta, GA WTHB 1550 Augusta, GA **WTWA** WKZK N. Augusta, SC 1240 Thomson, GA 1600 WSGF 1340 Augusta, GA **WRDW** 1630 Augusta, GA **WYNF** N. Augusta, SC WAFJ Belvedere, SC 1380 88.3 **WPEH** 1420 Louisville, GA FM radio stations WLJK 89.1 WHHD 98.3 Clearwater, SC Aiken, SC WKXC 99.5 Aiken, SC WACG 90.7 Augusta, GA Augusta, GA Hephzibah, GA **WLPE** 91.7 **WAKB** 100.9 **WPEH** Louisville, GA WTHO 101.7 Thomson, GA 92 1 WAEG 92.3 Evans, GA **WZNY** 102.3 Augusta, GA WKSX **WGUS** New Ellenton, SC 92 7 Johnston, SC 102.7 103.1 Augusta, GA **WDOG** 93.5 Allendale, SC WFXA **WDRR** 93.9 Martinez, GA **WBBQ** 104.3 Augusta, GA WAAW 94.7 Williston, SC WEKL 105.7 Augusta, GA WYFA Waynesboro, GA **WHKN** 94.9 Millen, GA 107.1 **WPRW** 107.7 Martinez, GA WCHZ 95.1 Harlem, GA WKSP 963 Aiken, SC WTHB 96.9 Wrens, GA WIIZ 97.9 Blackville, SC TV stations **WJBF** CH 6 Augusta, GA **WCES** CH 20 Wrens, GA **WRDW** CH 12 N. Augusta, SC WAGT CH 26 Augusta, GA **WEBA** CH 14 Allendale, SC Augusta, GA WFXG CH 54

Map of Zones





Locating Your Zone

If there was an incident at SRS, it is not likely that everyone within the Emergency Planning Zone (EPZ) would be affected. The affected area would depend on weather conditions and severity of the incident. The sheer size of the Site - 310 square miles - provides a buffer to the public.

Look at the map on the previous page. You will see the area surrounding SRS is divided into zones. Find the zone where you live, work and/or go to school and write it in the designated space. This will let you know if you are in the area affected by the emergency. For example, residents in zones G-9 and G-10 might be told to take shelter; others might not be affected at all.

Next, note the shelter designated for your zone. Refer to the box on the next page. This is where you would go in the event of an evacuation. Take a moment now to determine the best route from your home, workplace and/or school to your designated shelter. Mark the route on the map. Refer to page 31 and note your local television and radio Emergency Alert System stations. Write this information in the box at right. If you have questions, contact your county emergency office listed on page 37.

Alvin W. Vogtle Electric Generating Plant

Plant Vogtle sits on a 3,100-acre site along the Savannah River approximately 34 miles south of Augusta, GA. More than 885 people—engineers, mechanics, control room operators, lab technicians, instrument and control technicians, electricians, security officers, and others oversee the plant's operations. Full-time, on-site inspectors from the U.S. Nuclear Regulatory Commission monitor the plant to ensure it is maintained and operated safely, efficiently, and in accordance with established nuclear operating procedures. As with all nuclear power plants, emphasis is placed on safety of plant design and construction, equipment, staff training and operations.

The plant is named for Alvin W. Vogtle Jr., retired chairman of the board of the Southern Company, parent firm of Georgia Power and Southern Nuclear.

In an emergency at Plant Vogtle, you would use the same emergency routes, shelters, and information as in a SRS emergency. All of this information is detailed in this brochure.

Personal Emergency Information Chart

A	B-5	B-10	C-5	D-5	E-5	F-5	G-7
G-8	G-9	G-10	Н-6	H-7	H-8	Н-9	H-10
2. M	y local	Emergenc	y Alert S	System t	elevisio	n station	is:
3. M	y local	Emergenc	y Alert S	System A	AM radi	o station	is:
4. My local Emergency Alert System FM radio station is:							
5. M	y reside	nce zone	is:				
6. M	y work	site zone	is:				
7. My children's school zone is:							
8. M	y emerg	gency she	lter is:				
9. M	y evacu	ation rout	e is:				



Emergency Planning Zone Shelters

Take the easiest route from your location to the shelter in your area.

County	Zone	Shelter
Aiken, SC	G-7	South Aiken High School
Aiken, SC	G-8	South Aiken High School
Aiken, SC	G-9	South Aiken High School
Aiken, SC	G-10	South Aiken High School
Allendale, SC	H-8	Allendale-Fairfax High School
Allendale, SC	H-9	Allendale-Fairfax High School
Allendale, SC	H-10	Allendale-Fairfax High School
Barnwell, SC	H-6	Guinyard-Butler Middle School
Barnwell, SC	H-7	Guinyard-Butler Middle School
Burke, GA	A	Burke County High School
Burke, GA	B-5	Burke County High School
Burke, GA	B-10	Burke County High School
Burke, GA	C-5	Burke County High School
Burke, GA	D-5	Burke County High School
Burke, GA	E-5	Burke County High School
Burke, GA	F-5	Burke County High School

Services provided at shelters

If you are told to evacuate, go to your designated shelter. Shelters provide food, water, clothing, medical help, bedding, showers, toilets and telephones, as well as decontamination services, if necessary.

Where your shelter is located

South Carolina

Aiken County

South Aiken High School 701 Pine Log Road Aiken, SC

Allendale County

Allendale-Fairfax High School Route 278 East Allendale, SC

Barnwell County

Guinyard-Butler Middle School Allen Street Barnwell, SC

Georgia

Burke County

Burke County High School 1057 Perimeter Road Waynesboro, GA

Protective Actions That May Be Necessary

If your children are in school



There are emergency instructions for school children in the areas surrounding SRS. Only one school – Jackson Middle School – is located in the EPZ. Students at that school would be sheltered at South Aiken High School.

- In an emergency, school officials will be contacted by local emergency management officials. When necessary, children will be moved by bus to the shelter.
- To avoid delays, parents may meet their children at the shelter. **Do not go to the school.**
- Adults will care for children until parents arrive at the shelter.
- If your child is home alone for long periods of time, or is left with a caretaker, be sure the child and/or caretaker knows the appropriate zone and what to do in case of an emergency.

If you are told to take Shelter



You should protect yourself by going inside a permanent, sound building and keeping out as much exterior air as you can. This building could be your house, the place you work or some other nearby building.

State officials will determine if school children should be sheltered or, as a precaution, taken to a host school. Parents **should not** attempt to pick up their children if a sheltering advisory is in effect. Instructions will be provided to you over the Emergency Alert System about your children.

Follow these instructions to protect yourself, if you are advised to take shelter:

- Go indoors and stay there.
- Close all windows, doors and air vents.
- Turn off all fans, air conditioners, heaters and furnaces that draw in outside air. In severe weather conditions for example, extreme heat or cold heating and cooling systems should be adjusted to levels that reduce air flow to a minimum but do not risk heat stress or hypothermia.
- Confine your pets inside.
- Limit time spent outside. If you must go outside, cover your mouth and nose with a damp cloth or towel.
- Stay tuned to your local Emergency Alert System radio or television station as long as the emergency lasts.

If you are told to evacuate



You will need to do several things before you leave your home.

- Prepare your house as if you were going to be absent for several days. Turn off all appliances except the refrigerator and freezer. Turn off all lights.
- Lock all windows and outside doors.
- Tie a white cloth to your mail box or the doorknob of your house. This signal tells emergency workers you have left safely.
- Shelter livestock, if you can do so easily. Leave water and stored feed for several days.
- Evacuate your pets only if you do NOT plan to stay at an emergency shelter. A list of pet friendly establishments can be found at www.petswelcome.com. Otherwise, secure pets inside with food and water for several days.
- Use your own car, if you can. If you have room, check to see if neighbors need a ride. If you know someone who is handicapped or an invalid, give that person a ride.
- Close car windows and vents. Keep the air conditioner and heater off.
- Listen to Emergency Alert System stations for traffic information or other news. Follow the route you have marked on the map on page 32, and proceed to your designated shelter. Traffic control officials will help guide you.

Things you may want to take

If you do have to evacuate, you will likely be away for several days. The following supplies will be helpful while you are away.

- This brochure and magazines or books to read
- Glasses, dentures, prescription drugs, other important medicines, and a first aid kit
- Personal hygiene items and extra clothing and shoes for each person in your family
- Baby supplies, including a favorite sleep toy
- Two blankets or a sleeping bag, cot or air mattress, and pillow for each person
- Portable radio, flashlight, and batteries
- Some form of identification, such as a driver's license
- Cash, checkbook, and credit cards
- Special foods, if on a restricted diet

If you are told to shelter livestock

If there is a radiological emergency at SRS, farmers should be prepared to take the following immediate actions:

- Monitor and follow instructions given over the Emergency Alert System. Specific recommendations for the protection of farm animals and agricultural products will be issued by appropriate state and county officials.
- Remove all dairy animals from pasture, shelter if possible, and provide them with stored feed and protected water. Protected self-feeders and automatic livestock waterers are the most effective.
- Store feed in buildings or cover if outdoors. Feed stored in buildings will be protected from contamination. Keep radioactive particles out of other feed by covering the feed with plastic or canvas.
- Cover open wells and water tanks.

Drive safely.
Follow all normal
traffic laws.



Special help and transportation



The county emergency offices listed below can help people with special needs. If you, or someone you know, is blind, is hard of hearing or cannot walk, complete the appropriate postage-paid special needs card on the inside back cover and mail it today. In any emergency, county officials will notify people with special needs and evacuate them, if necessary.

The special needs card should also be used if you or other members of your family cannot drive or do not have transportation. You will be put on a list with other people who need transportation in an emergency. If evacuation is necessary, you will be picked up and taken to a shelter in your area.

If your special needs card has already been used or has been lost, contact your county emergency management office and let them know that help will be needed in an emergency.

Emergency Management Agencies

If you have questions, please contact any of the following emergency management agencies.

Aiken County Emergency Management Division

828 Richland Avenue West Aiken, SC 29801 803-642-1623

Allendale County Emergency Management Agency

426 Mulberry Street Allendale, SC 29810 803-584-4081

Barnwell County Emergency Management Division

Barnwell County Administration Building 57 Wall Street Barnwell, SC 29812 803-259-7013 Burke County Emergency Management Agency

277 Highway 24 South Waynesboro, GA 30830 706-554-6651

Georgia Emergency Management Agency

P.O. Box 18055 Atlanta, GA 30316-0055 404-635-7000

South Carolina Emergency Management Division

2779 Fish Hatchery Road West Columbia, SC 29172 803-737-8500



The Department of Energy's National Science Bowl® is the only academic competition of its kind sponsored by a federal agency. It features 67 regional competitions, each one sending a winning team to the National Finals in Washington, DC. The Lakeside High School 2010 Regional Winning Team is featured above.



SRS employees joined with other community volunteers to participate in "Project Serve" for the United Way of the CSRA. During this day of volunteering they completed tasks such as constructing bookshelves, performing landscaping, and make various repairs and improvements to buildings.

About the Cover Photo

The Science and Technology Enrichment Program at the SRS provides opportunities for students participating in summer programs to enhance math and science skills by providing a hands-on experience.

Acknowledgements

Special thanks to American Heart Association/Todd Lista for contributing photos to the 2011 Savannah River Site Community Preparedness Information Brochure.



Some people may need special help if there is an emergency at SRS. Please fill out and mail this special needs card if you, or someone you know, needs help to travel or has a physical or mental problem. Name(s), address(es) and phone number(s) of those who need help:	Notes:
Please check the reason or reasons that help would be needed: has no way to travel uses a wheelchair is deaf or hard of hearing must stay in bed is blind or does not see well needs help for other reason does not read well Please say why below	
Special needs card for Barnwell County citizens	Special needs card for Allendale County citizens
Some people may need special help if there is an emergency at SRS. Please fill out and mail this special needs card if you, or someone you know, needs help to travel or has a physical or mental problem. Name(s), address(es) and phone number(s) of those who need help:	Some people may need special help if there is an emergency at SRS. Please fill out and mail this special needs card if you, or someone you know, needs help to travel or has a physical or mental problem. Name(s), address(es) and phone number(s) of those who need help:
Please check the reason or reasons that help would be needed: has no way to travel uses a wheelchair is deaf or hard of hearing must stay in bed is blind or does not see well needs help for other reason does not read well Please say why below	Please check the reason or reasons that help would be needed: has no way to travel uses a wheelchair is deaf or hard of hearing must stay in bed is blind or does not see well needs help for other reason does not read well Please say why below



NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES



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NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS

PERMIT NO. 76

AIKEN. SC

POSTAGE WILL BE PAID BY ADDRESSEE

Barnwell County Emergency Management Division Barnwell County Administration Building 57 Wall Street Barnwell, SC 29812



FIRST CLASS

PERMIT NO. 76

AIKEN, SC

POSTAGE WILL BE PAID BY ADDRESSEE

Allendale County Emergency Manaagement Agency 426 Mulberry Street Allendale, SC 29810







BUSINESS REPLY MAIL

FIRST CLASS

PERMIT NO. 76

AIKEN, SC

POSTAGE WILL BE PAID BY ADDRESSEE

Aiken County Emergency Management Division 828 Richland Avenue West Aiken, SC 29801 NO POSTAGE NECESSARY IF MAILED IN THE

UNITED STATES

Important telephone numbers:

Police:

Fire:

Hospital:

Doctors:

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Others:

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